

Notes

Field Trip to N. Mex., Texas,
Oklahoma, Missouri
and Arkansas

April 14 - May 23.
1970

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Trip to NM, Texas, OKla, Kans.

April 14 - 18.

Left Washington 7:00 AM on April 14th and went to beyond Knoxville. Next day arrived in Benton, Arkansas. Third day went to Sweetwater Texas. Collected at Putnam for a short time. Collected at Parsons on second day. Yellow flower & violets on first film. At Putnam took yellow paint bush, onions and reddish flower to finish the roll.

Arrived in Torc, N. Mex. at 4:30 PM on ~~fifth~~ fourth day, April 17.

On April 18th Collected at type section of Percha in morning and went to Kingston in afternoon. Several small snow storms during the afternoon. At Hillsboro took several pictures of a cactus, a small poppy and peculiar paint-bush-like flower same as in Glass Mtns. Percha localities seem to have been much visited as collecting was rather poor. Percha loc. = SW SE 14-16 S, 7W, 2 miles East of Hillsboro, So. Box.

Saw large *Omphalotrochus* in top of orange chert bed of Taylor R.

April 19

To C. to Lake Valley. Collected there all morning and to 3:30 o'clock. Returned to Alamogordo. A few flowers, blue, yellow, small legume. Up to 14 on roll.

April 20

Went up Indian Wells Canyon. Collected Mesas in morning, Devonian in afternoon. Flowers abundant. Finished 2nd roll on Sacramento flowers. Auto trouble.

April 21

Car fixed in El Paso. Called on Glouers, Marathon & via Davis Mountains, small pink (purple mat & yellow) on road up to Pine Spring Camp.

April 22.

Went up to Split Fork to look at Cathedral Mtn. Flowers everywhere. Desert more garden-like than I ever saw it in all the years I have been coming to Marathon. Many flowers never seen before. Pictures up to #25 including yellow primrose, blue star,

pale purple penstemon, daisies,
Indian paint brush (orange), small
pink star.

April 23.

Back to Appell's place to check
over 703b and 703bs. Went
to 703a to collect some Road
Canyon. Finished roll of film
here. Contains pinks, cactus at
Tourist court (claret cup, large orange
blossoms. Started roll on new
camera.

April 24

Morning collected blocks at 703A
Went out to Mtn Front to
collect Taylor Ranch. Large
cactus clump, pinks. Took
pictures just N of Hess House.
Penstemon, small fine-spine cactus
with pink blossom, purple stripes
that form patches on the base
of the hill, peculiar trumpet
blossom. Up to 30 on camera.

April 25.

Hess Ranch to collect 706c
and look at 720c. Very
large Scaphinella were

seen at 720c, larger than I
recall having seen before.
Bioherms are extensively
developed at this place.

In afternoon went home with
a load, then went back and
collected two lenses northwest
of 706b. The lower one is
numbered 741g. There are
87' measured on the surface
between the two lenses. The
upper lens is numbered 741p.

April 26th

Went to Deere Ranch collected
at 714t, then combed slope
above 707a for Parautelites.
Failed to find this but did
get an Orbiculoidea. In
afternoon went to hill 4801
to study the bioherms. Conclusion
was that all are in place.
Large bioherm on west overlie
conglomerate. On west edge
of easternmost bioherm
~~at~~ and in the boulder bed
Spiridiophora was seen
in a boulder just above
The one containing Scaevella.

April 27th

Dee's Ranch to Yates place
collected at 7400 in the
morning on the west end of
the hogback. Collected for
Taphroscoria. Found one large
block and took most of it.
Afternoon went up valley between
large hogback and clay slide hill
Here on the north side near the
divide between the hills and
on the west slope of the valley
(7230? Check) we collected Megascoria
in thin bedded ls.

When on the east side of the
valley the thin bedded limestones
could be seen lapping onto
the reefy beds and also passing
into them. I think of the
possibility of this thick mass
being a reef or sand bank
with the more bituminous
limestones wrapping around
it, possibly lagoonal?

April 28th.

Out to Dugout Mountain. We went south along the front and found a road leading to a canyon located about 1 on the 30° 10' parallel. On the front of the range are small knobs or hills formed of very steeply dipping rocks. I estimate the dip of the range from near 30° at the bottom of the section to 60° or 70° in the upper part. The distances given opposite the units are slope elevations.

D. - contains *Xestozia*, *Agelasma* & *Anatitella* - The section is mainly Cathedral Mtn.

741 S	I	25'	basal bed of Cretaceous.
	H	60'	mostly covered but some thin yellow sandy or pebbly pebbly ls.
	G	20'	Thin grayish ls. & blue shale with to 10' quartzose ls. Dip 60°-70°
	F	20'	Orange cherty rock in lower 1/2; upper 1/2 yellow sandy
	E	35'	Thin shale but mostly massive detrital ls. Fossils all broken.
	D	15'	gray, cgl. ls.
	C	25'	Top 10' in misty cgl.
	B	15'	Platy ls. & shale
	A		covered

April 29.

Went out to collect 721 u in morning. Brought in 5 blocks. Went to Alpine for socks and supplies. Packed all blocks in afternoon from 2:30 P.M. to 5:30 P.M. 35 bundles in all.

April 30

Southern Pacific refused shipment. Mr. Wedin went with us to Alpine with it. Had lunch with Wedins in Alpine. Afternoon Mr. Wedin took us to Dagger Flat to see Yuccas. Tremendous display.

May 1

Left Marathon at 8:55. Went to Big Spring for lunch and on to Coleman for the night. Collected at locality east of Santa Anna. Locality much grassed over and essentially done for.

May 2.

From Coleman made a loop to Ballinger to collect Moore localities 9857 and 9843

About 10 miles S & east of Ballinger. Went S through Paint Rock to Millersview and Doole to Saddle Creek south of Rockwood. Had difficulty finding the locality and collecting was poor.

May 3.

Went to Brownwood, took Texas 279 to junction with Texas 15 and went east $3\frac{1}{2}$ miles. Collecting poor. Went to $1\frac{1}{2}$ miles S of Sunlight. Collecting again poor. Both of these places are about played out.

May 4

Collected on Texas 148, 5.4 miles N of its junction with US 281 on the north side of Jackboro. The collecting was very good. Afternoon went out to Gunter Farm which was also very good.

Pictures - pink solitary cacti are from Gunter Farm north of Jackboro. Huge Periderm from Jackboro (5 mi E)

May 5.

Made a vain search for Mrs. Renfro's Stradley School locality. ~~It seems to be~~ Stradley School was about 5 miles S of Texas 24 on the road to Garfield.

Found a disappointing locality on Texas 206 15 miles north of Porters Chapel and 0.5 mile west of the road. Went to Riley farm for rest of morning. Collecting place is on 1500 feet NE of the old house. Collecting rather poor.

Visited quarry 5 1/4 miles west of Chico, Tex. Highway 1810. Collecting about exhausted.

Went on to Ardmore for night. Last flowers in Texas were a patch of blue bonnets at edge of Saint Jo, Texas. First flowers in Oklahoma are chadwick paint bush just N of Oklahoma line.

Texas 24 has been ^{re}outed through Jackboro. The road New Town is now Texas 59 1/2 nearly to Cimarron. From there to Chico it is Texas 1810. Last flowers in Texas on

another roll are milkweed
and large penstemon. These
were taken with 40 mm. lens.

May 6

Called at Univ. Oklahoma for
maps. Went east to Vinita.
Collected Hindsville, 6 miles E
and one mile N of Vinita

May 7.

Went to Adair, collected all
morning at place Three miles
E and $2\frac{1}{4}$ miles S of Adair.
Collecting superb. Afternoon
went to locality $3\frac{1}{2}$ miles E
and $\frac{3}{4}$ miles S of Adair.

Found new place on Okla 28
3.3 miles E of Adair. Had
many *Amphispiza* and *Pugnoides*.
Large purple pea, yellow lily, poppies.

Flowers

May 8.

Went 5 miles E. to junction
US 60 + Okla 82 to look for new
stratified genus. Failed to find
it. Went to 2.3 miles E of
Kenwood to collect *Musa*.
ref. Collecting not good but
some good things taken.

May 9.

Went to Qualls to collect probable
Hindsville in small structure
NE of Qualls 3 miles by road
in SE $\frac{1}{4}$ SW $\frac{1}{4}$ 29-15 N, -22 E.
The fauna seems to me to be
Hindsville

~~Stenocephalus~~
Collected Fayetteville on
road about 1.85 miles by road
NW of Qualls in SE cor NW $\frac{1}{4}$
35-15 N-21 E,

May 10

To Tenkiller Lake to collect
Moorefield (Ordinance Plant Member)
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 10-13 N-21 E, SW end
Tenkiller Ferry Reservoir.

Bloyd, SW $\frac{1}{4}$ NE $\frac{1}{4}$ 10-13 N-21 E,
Intersection of OKla 10 A with
road picnic ground.

Collected on OKla 10, Fayetteville
~~N $\frac{1}{2}$~~ SE $\frac{1}{4}$ NW $\frac{1}{4}$ 21-15 N-20 E,
2 miles S + $3\frac{1}{2}$ E of Fort
Gibson, Oklahoma

SW $\frac{1}{4}$ SE $\frac{1}{4}$ 20-15 N-20 E, Moorefield
in ditch and stream bed

May 11.

Went out 7 miles E and $1\frac{1}{2}$ miles south of Fort Gibson. Old road in notch between hills is passable and we took it. About $\frac{1}{2}$ way up hill Fayetteville is well exposed. Collection made here SW $\frac{1}{4}$ NE $\frac{1}{4}$ 18-15N-21E in Cherokee Co.

Moorefield exposed in woods on south side of road in NW $\frac{1}{4}$ NW $\frac{1}{4}$ 18-15N-21E, in Cherokee County.

May 12.

Collected all day on bluff over Bayou Manard. Uppermost bed contains *Flexaria* and *Moorefieldella*. Below it is a bed replete with *Ovatia*. Between them comes a bed with *Spirifer* & *Moorefieldella*. Packed 7 bags.

May 13.

Left Muskogee at 8:15 AM and went to Fairfax where we collected along old RR $3\frac{1}{2}$ miles E of town. Rails now taken away but collecting fair.

Went from Fairfax to Burbank which is not now on US ~~60~~ 60 which has been routed south of town. The old quarry on the south of the old US ~~60~~ 60 is now greatly enlarged and has a much longer section. Found some Teguliferina but did not go in the operating gy.

From Burbank we went to Dexter and collected from road cut 3.7 miles south of town. Collecting not too good.

May 14.

Went to Dexter, on Kans. 15, east line, section 36, 3 miles and $3\frac{1}{2}$ miles N of Dexter, Dexter $7\frac{1}{2}$ sheets Kansas 32.5-6 E.

Derbyia bed on US 160, $1\frac{1}{4}$ miles E of East edge of Burden, Cambridge $7\frac{1}{2}$ E, Kansas.

Small blue
lily-like
flowers

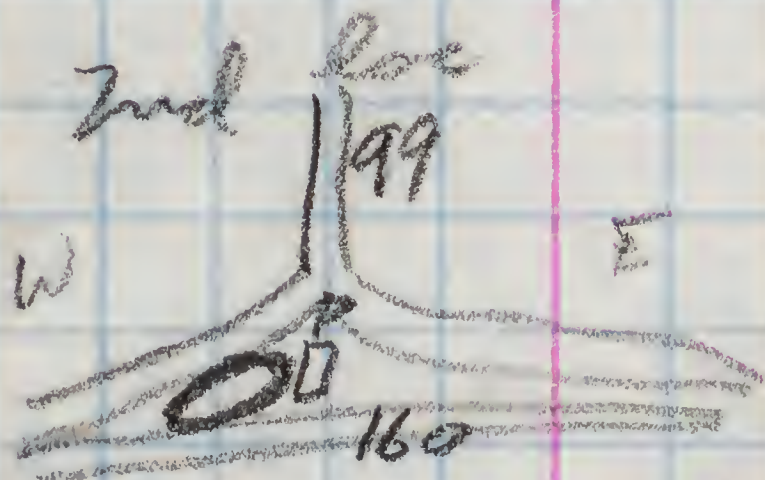
2.2

Collected at Grand Summit.
Cattle Tank now breached &
not good collecting. Walked
hill for about $\frac{1}{2}$ mile. Collecting
good. Probably SW $\frac{1}{4}$ 4-315-8E

On US 160 one mile E of
Cowley-Elk County line NE
corner ~~SE~~ SE $\frac{1}{4}$ 15-
315-8E, one mile E of
Cowley-Elk County line,
Grand Summit $7\frac{1}{2}$ \square ,
Kansas.

May 15

Moline



3rd locality 0.2 mile W of
school at road bend to creek.

4th loc. From middle of Moline
(US 160) on 160 for 0.7 mile E
of Moline, N side RR about
0.1 mile E of switch crossing
road. About 0.3 mile from
junction with 99.

May 15

1st locality ~~at~~
NW cor NE $\frac{1}{4}$ 13-30S-10E,
 $1\frac{1}{4}$ miles S of S edge of
Howard, Kansas.

2nd loc. in triangle at
intersection of Kansas 99 & US 60
about one mile E of Moline, Kans.

3rd locality 0.2 mile west of
junction Kans. 99 & US 160 on US 160.

4th loc. on US 160, 0.7 mile E
of Moline and 0.3 mile west
of junction of 99 & US 160.

Visited locality N of Copan 5 miles
& 2 miles E of US 75, SW $\frac{1}{4}$ SW $\frac{1}{4}$
23-29N-13E, Washington Co.,
Oklahoma. Cattle tank put
in on old RR grade. Collecting
not so good but many
Leishmanius taken.

Stayed at Schwinn Motel
Coffeyville, Kansas.

Quarry in May 16
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 30-28 N-15 E, Nowata Co.,
1.3 mi N of Sapulpa, Okla.
Coffeyville Fm.

Stopped at Seneca to collect
chert NW $\frac{1}{4}$ NW $\frac{1}{4}$ 35-25 N-
34 W, about $\frac{3}{4}$ mile NW of
Seneca, Missouri.

May 17.

Went to quarry at Neosho. Outcrop
now nearly gone but got some
good stuff. After lunch went
north to exposure near Dipton
Ford. Collecting moderately good.
Came home about 3:30. Packed 8
bundles for shipment.

May 18.

Junction of US 71 + ~~the~~ Missouri
90 Chattanooga shale overlain
by thick ls. Shaly at base =
St. Jo and chert above.

Near the base of Fayetteville
fm, Center S line of NE $\frac{1}{4}$ 16-
17 N-29 W, 2.4 miles ~~at~~
NW of Habberton, 3 miles E
and 2 miles S of Springdale
Seneca T $\frac{1}{2}$ \square , Arkansas.

Raymond
Van Lier

Trucking-Motor freight
Campbell 66 EXP 523 E. Spring

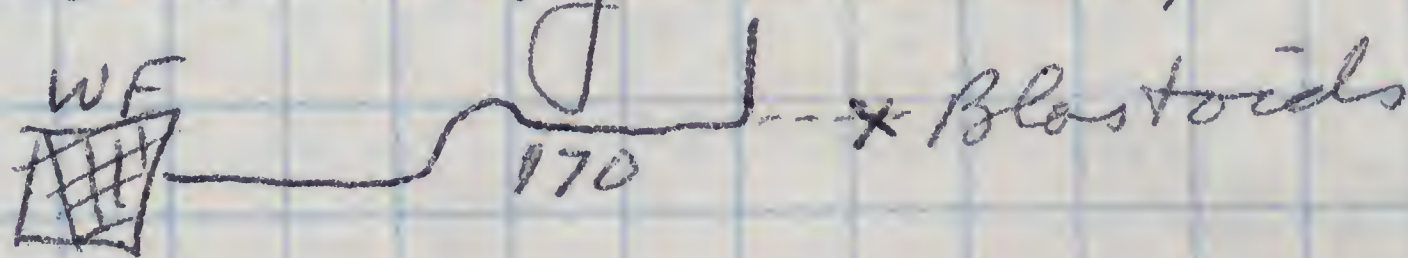
Jones Truck line 437 Smith

May 19.

1050 paces San RR from
road crossing creek and RR
at Woolsey = 2625' This makes
it about ~~NW 1/4 NW 1/4 22-14 N~~
~~30W~~ NW cor 22-14 N-30W

0.2 mile on US 71 north of
junction of road from Woolsey
long bluff in Brentwood
(Bluff for about SW 1/4 NE 1/4 16-
14 N-30W, Winslow quadrangle

Brentwood blastoids found
about 1/4 mile west of sharp
turn in Ark. 170 about one
mile W. of West Fork.



May 20.

Went to Herbert locality east of Elkins reached $2\frac{1}{2}$ miles E of Elkins, left on dirt road $\frac{1}{2}$ mile to divide. Locality is on S nose of a small hill on east side of divide or saddle -

$N\frac{1}{2} SE\frac{1}{4} SE\frac{1}{4} 32-16 N-28 W$, Goshen $7\frac{1}{2}'$ II, Arkansas. Upper Fayetteville.

Second locality visited in lower Fayetteville is $\frac{1}{2}$ mile S of Wyman in bluff of White River, here flooded in SW cor. 9 and ~~NW $\frac{1}{4}$~~ $N\frac{1}{2} NW\frac{1}{4} 16-16 N-29 W$, Elkins $7\frac{1}{2}'$ □, Arkansas. About 50' above reservoir level.

May 21

South of Mt. Judea for upper Boone then drove to Forest City, Ark on way home.

May 22

Forest City, Ark to Rogersville, Tenn

May 23

Rogersville to home at 3:00

